Title (en)

DRIVING FORCE DISTRIBUTION CONTROL DEVICE AND DRIVING FORCE DISTRIBUTION METHOD FOR FOUR WHEEL DRIVE VEHICLE

Title (de)

ANTRIEBSKRAFTVERTEILSTEUERVORRICHTUNG UND ANTRIEBSKRAFTVERTEILVERFAHREN FÜR FAHRZEUG MIT VIERRADANTRIEB

Title (fr)

DISPOSITIF DE COMMANDE DE REPARTITION DE FORCE D'ENTRAINEMENT ET PROCEDE DE REPARTITION DE FORCE POUR VEHICULE A QUATRE ROUES MOTRICES

Publication

EP 1500546 B1 20070815 (EN)

Application

EP 03725686 A 20030428

Priority

- JP 0305423 W 20030428
- JP 2002126224 A 20020426

Abstract (en)

[origin: US2004222029A1] An ECU (21), which functions as a driving force distribution control apparatus for a four-wheel drive vehicle, includes a CPU (22). The CPU (22) controls a coupling (7) for changing torque distribution of front and rear wheels. The CPU (22) determines either of first and second torque distribution modes based on detection signals of a throttle opening sensor (32) and steering angle sensor (34), which are operating parameters. In the second torque distribution mode, torque is distributed to the front and rear wheels more equally than in the first torque distribution mode. The CPU (22) sets a duration for the second torque distribution mode when the second torque distribution mode is selected. Until the duration elapses, regardless of the operating parameters, the CPU (22) continues the control of the coupling (7) in the second torque distribution mode.

IPC 8 full level

B60K 17/348 (2006.01); **B60K 23/08** (2006.01); **F16D 48/12** (2006.01); B60K 17/35 (2006.01)

CPC (source: EP)

B60K 23/0808 (2013.01); B60K 17/35 (2013.01); B60W 2510/0604 (2013.01)

Citation (examination)

None

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US 2004222029 A1 20041111; **US 6907953 B2 20050621**; DE 60315633 D1 20070927; DE 60315633 T2 20080508; EP 1500546 A1 20050126; EP 1500546 A4 20051228; EP 1500546 B1 20070815; JP 2003312295 A 20031106; JP 3863457 B2 20061227; WO 03091058 A1 20031106

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